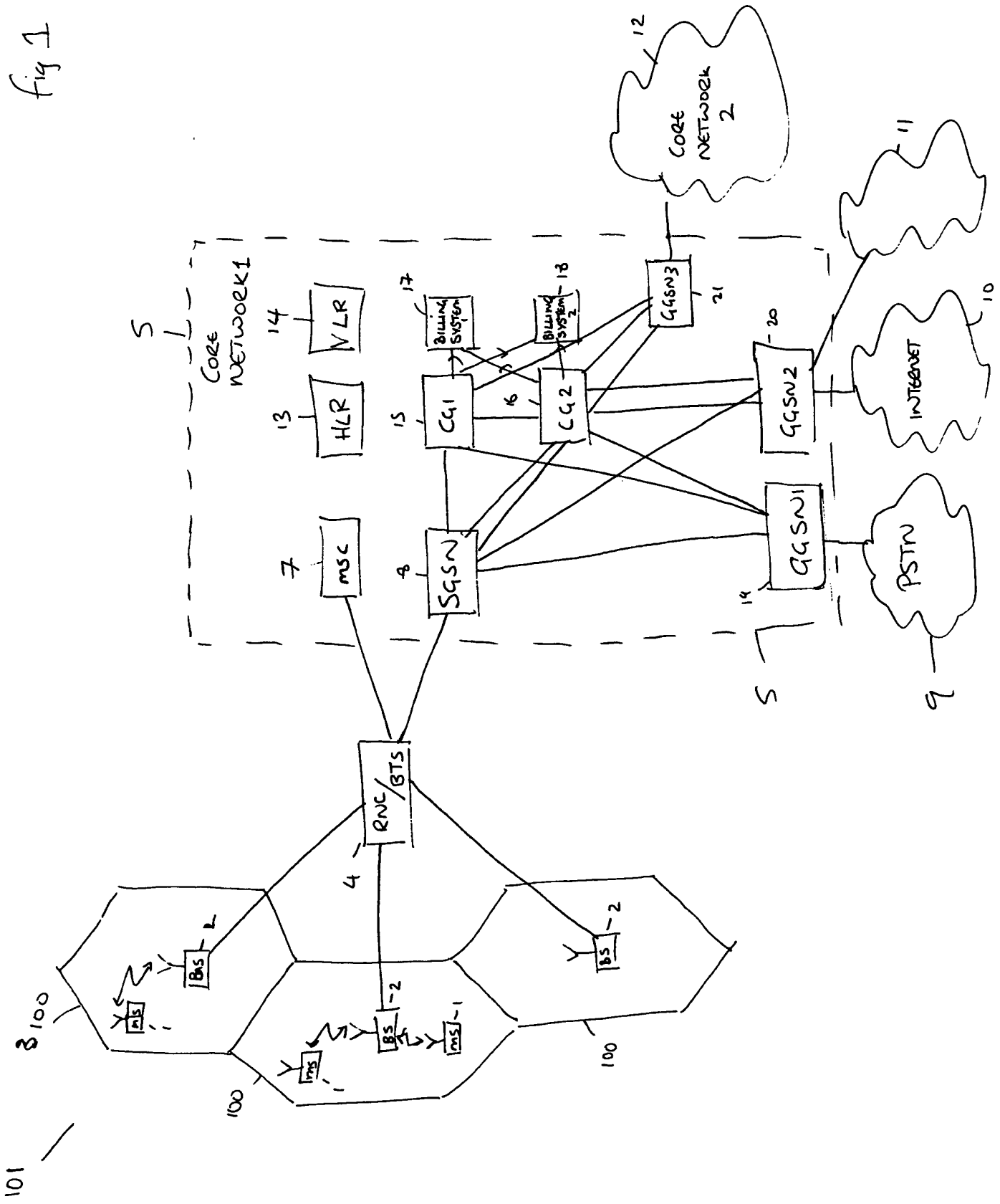
fig 1


101
100
100
100
MS
BS
RNC/BTS
4
SGSN
8
MSC
7
HLR
13
VLR
14
CORE NETWORK 1
5
CG1
15
CG2
16
BILLING SYSTEM 1
17
BILLING SYSTEM 2
18
GGSN3
21
GGSN2
20
GGSN1
19
CORE NETWORK 2
12
INTERNET
10
PSTN
9
11
5

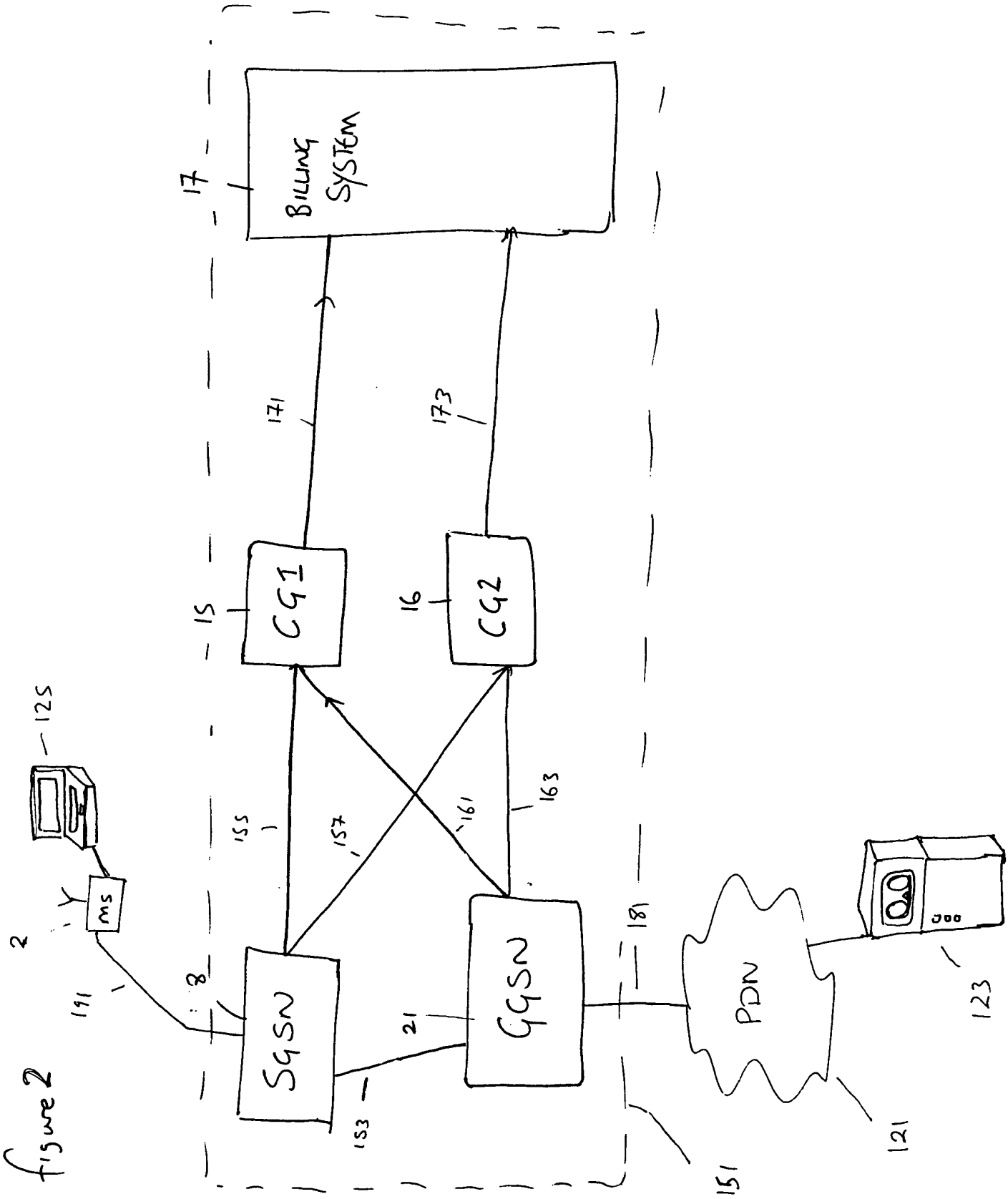

17
BILLING SYSTEM
171
173
15
CG1
16
CG2
155
157
161
163
125
MS
2
191
8
SGSN
21
GGSN
181
PDN
123
121
153
151

figure 2

figure 3

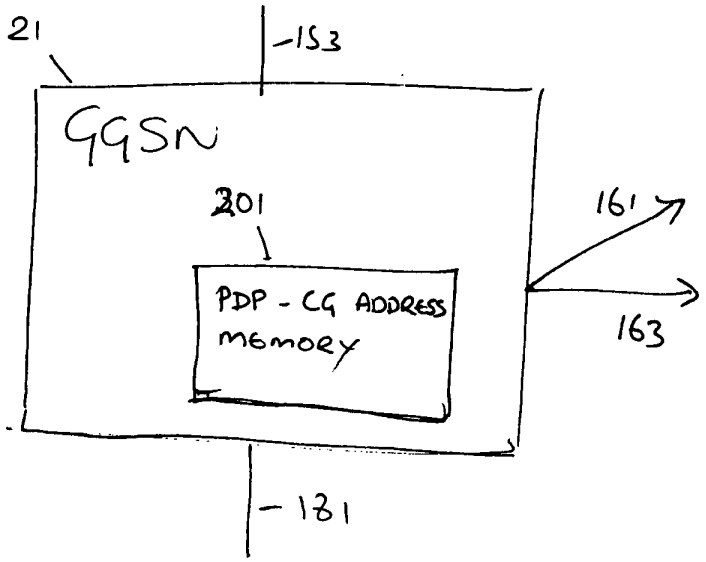


figure 5

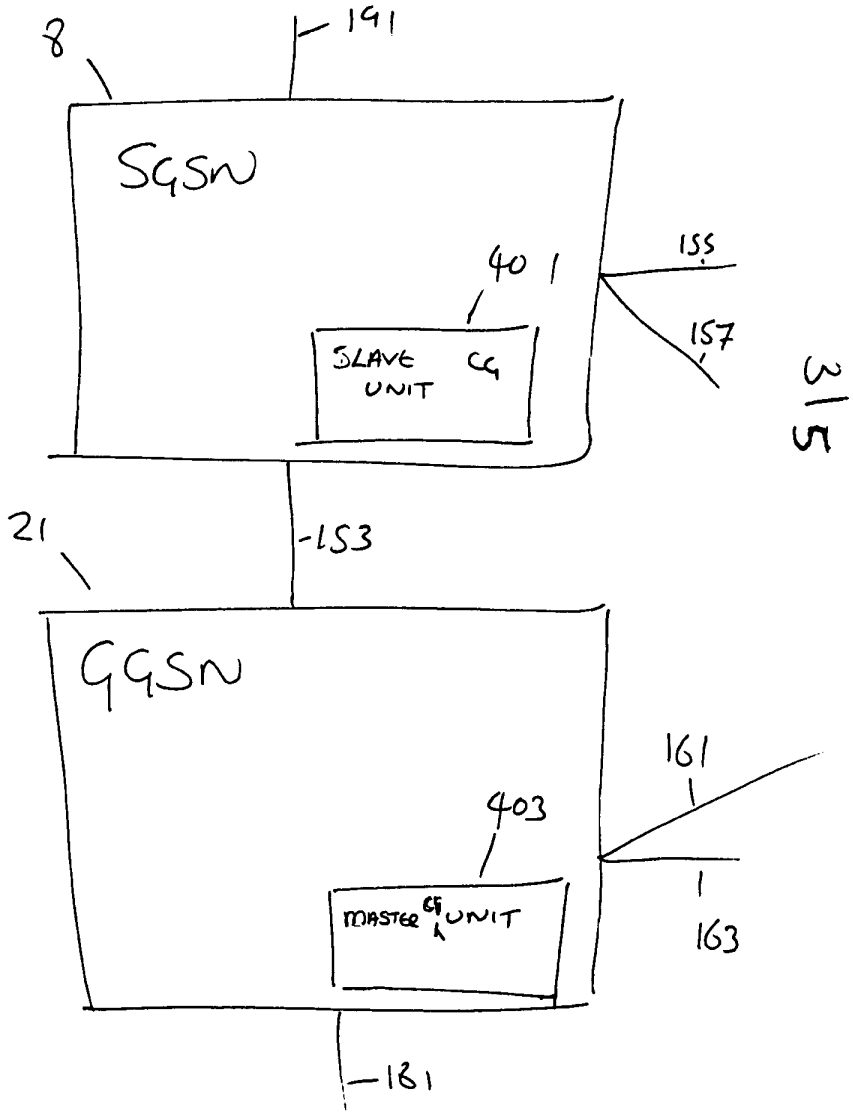


Figure 4

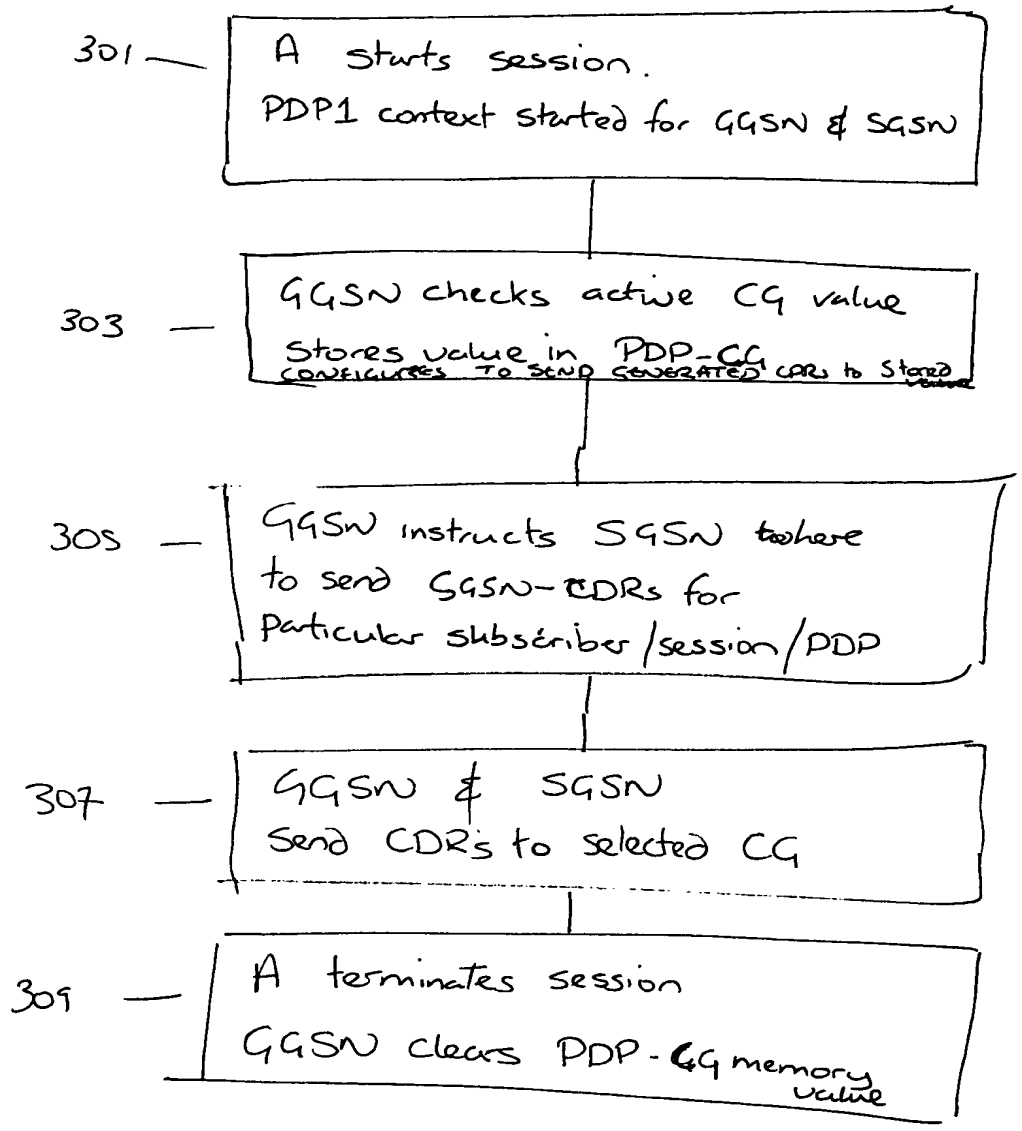
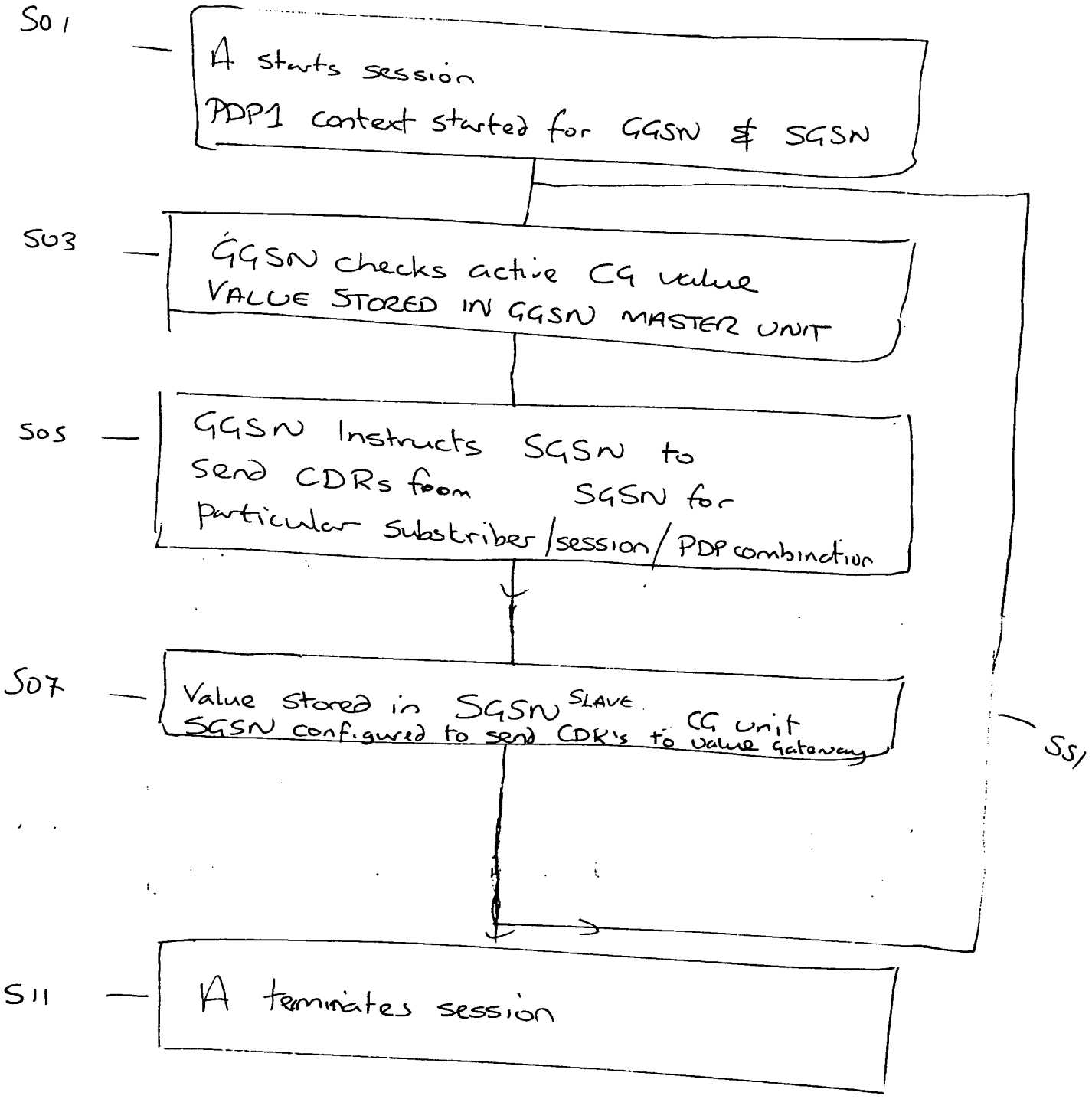

301
A starts session.
PDP1 context started for GGSN & SGSN
303
GGSN checks active CG value
Stores value in PDP-CG
CONFIGURES TO SEND GENERATED CDRs to Stored
305
GGSN instructs SGSN to where
to send SGSN-CDRs for
Particular subscriber/session/PDP
307
GGSN & SGSN
Send CDRs to selected CG
309
A terminates session
GGSN clears PDP-CG memory
value

Figure 6


S01
A starts session
PDP1 context started for GGSN & SGSN
S03
GGSN checks active CG value
VALUE STORED IN GGSN MASTER UNIT
S05
GGSN Instructs SGSN to
send CDRs from SGSN for
particular Subscriber/session/PDP combination
S07
Value stored in SGSN SLAVE CG unit
SGSN configured to send CDK's to value Gateway
S09
S11
A terminates session